AUG/FY06

IDAHO ARMY NATIONAL GUARD

Army Defense Environmental Restoration Program Installation Action Plan

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year Military Munitions Response Program (MMRP) for an installation. The plan identifies environmental cleanup requirements at each site or area of concern, and proposes a comprehensive, installation-wide approach, with associated costs and schedules, to conduct investigations and necessary remedial actions.

In an effort to coordinate planning information between the US Army Environmental Center (USAEC), Idaho Army National Guard (IDARNG), and National Guard Bureau (NGB), an IAP was completed. The IAP is used to track requirements, schedules, and tentative budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following agencies contributed to the formulation and completion of this IAP.

Company/Installation/Branch

Idaho Army National Guard Idaho Army National Guard Engineering and Environment Inc. for USAEC

Acronyms & Abbreviations

AEDB-R Army Environmental Database - Restoration

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

of 1980

DERP Defense Environmental Restoration Program

FS Feasibility Study FY Fiscal Year

IAP Installation Action Plan
IDARNG Idaho Army National Guard
IRP Installation Restoration Program

LTM Long-term Management MC Munitions Constituent

MEC Munitions and Explosives of Concern MMRP Military Munitions Response Program

NGB National Guard Bureau NPL National Priorities List PA Preliminary Assessment

RA(C) Remedial Action - Construction
RA(O) Remedial Action - Operation
RAB Restoration Advisory Board
RAC Risk Assessment Code
RC Response Complete
RD Remedial Design
RI Remedial Investigation

SI Site Inspection

TRC Technical Review Committee
USAEC US Army Environmental Center

UXO Unexploded Ordnance

Installation Information

Installation Locale: Orchard Training Area, Ada County, Idaho, 16 Miles South of Boise, Idaho, Metro population 526,656

Kimama Training Area, Minidoka and Lincoln County, Idaho, 20 Miles Northeast of Twin Falls, City Population 42,211

Installation Mission:

- Defend America both at home and abroad.
- Enhance readiness and capabilities for rapid action across the full spectrum of military operations both at home and abroad.
- Remain the constitutionally based citizen militia that continues to serve the nation both in peace and war.

Lead Organization:

Headquarters, NGB

Lead Executing Agency:

US Army Corps of Engineers

Regulatory Participation

Federal: Environmental Protection Agency, Region 10 **State:** Idaho Department of Environmental Quality

National Priorities List (NPL) Status: Not on NPL

Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status: No RAB, TRC or TAPP exist at These Training Areas.

Installation Program Summaries MMRP

Primary Contaminants of Concern: Munitions and Explosives of Concern (MEC), Muntions

Constituent (MC), UXO

Affected Media of Concern: Soil Estimated Date for RC: 2017

Funding to Date (up to FY05): \$125,000 Current Year Funding (FY06): \$9,000 Cost-to-Complete (FY07+): \$231,755,000

Cleanup Program Summary

Installation Historic Activity

The Orchard Training Area is BLM Land that served as a training area for the Army Air Corps begining in 1941. The ranges were closed in 1948, but were opened periodically from 1953 to 1979 by the Idaho National Guard and the Marine Corps Reserve. In 1979, the Idaho Army National Guard (IDARNG) completed all documentation to sign a Memorandum of Understanding (MOU) for continued military use of training area, which had been reduced in size. The MOU is reviewed every five years and is valid for 30 years.

Kimama Training Area is BLM Land and was leased to the Idaho Army National Guard as a Tracked Vehicle Maneuver and Training Area from 1968 to 1995.

MMRP

- Prior Year Progress: Preliminary Assessment (PA) completed at all sites.
- Future Plan of Action: A Site Investigation (SI) will be completed in 2007. The installation plans to complete the Supplemental SI and Remedial Investigations/ Feasibility Studies (RI/FS) by 2012 and execute follow on phases/actions as required in the individual site cleanup strategies.

IDAHO ARNG Military Munitions Response Program

MMRP Summary

Total AEDB-R MMRP Sites / AEDB-R Sites with Response Complete: 10/0

Different Site Types

8 Unexploded Munitions/Ordnance 2 Small Arms Ranges

Most Widespread Contaminants of Concern: MEC, MC, UXO

Media of Concern: Soil

Completed Removal/Interim Remedial Action/Remedial Action:

Total MMRP Funding

Prior Years (up to FY05): \$125,000 Current Year (FY06): \$9,000

<u>Future Requirements (FY07+): \$231,755,000</u> Total: \$231,889,000

Duration of MMRP

Year of MMRP Inception: 2002

Year of MMRP RC: 2017

Year of MMRP Completion Including LTM: 2047

MMRP Contamination Assessment

The phase III Army Range Inventory Report was completed in Jul 2003. The inventory identified 5 sites at the Orchard Training area and 5 sites at the Kimama Training Area as eligible for the MMRP. These sites are identified as 2 small arms ranges, 8 multi-use ranges. The Phase III inventory serves as a Preliminary Assessment (PA) under Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

MMRP Cleanup Exit Strategy

The installation plans to complete all SIs by 2007 and execute follow on phases/actions as required in the individual site cleanup strategies.

Previous Studies

2002

• Final Closed, Transferring, and Transferred Range Inventory at Orchard Training Area, December.

2003

• Final Closed, Transferring, and Transferred Range Inventory at Kimama Training, January.

IDAHO ARNG

Military Munitions Response Program

Site Descriptions

KTS-001-R-01 TRAINING AREA 1

SITE DESCRIPTION

Training Area 1 is located in Minidoka County. The training area is located approximately 20 miles northeast of Twin Falls, Idaho, and was used by the Idaho Army National Guard (IDARNG) primarily for armored maneuver training from 1968 through 1991. Pyrotechnics and riot control agents were used during the maneuver training. The land for the training area is owned by the Bureau of Land Management (BLM) and was used by the IDARNG under a special land use permit. Prior and subsequent to use by the IDARNG the land was open space and was used for agricultural purposes, consisting of animal grazing. Remediation for the training area has not been executed or planned. The area for Training Area 1 is 6,174 acres.

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 5-NEGLIGIBLE

CONTAMINANTS OF CONCERN:

MEC, MC

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
PA	200206	200305
SI	200610	200709
RI/FS	201010	201109
RD	201510	201609
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201709

CLEANUP STRATEGY

An installation wide Archive Search Report and a Site Inspection (SI) is scheduled to be performed. Based on the results of the SI, a Remedial Investigation (RI)/Feasibility Study (FS) will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil. A MEC site characterization and removal assessment will be performed followed by a MEC removal action, institutional controls and monitoring.

KTS-002-R-01 TRAINING AREA 2

SITE DESCRIPTION

Training Area 2 is located in Minidoka and Lincoln Counties. The training area is located approximately 20 miles northeast of Twin Falls, Idaho, and was used by the IDARNG primarily for armored maneuver training from 1968 through 1991. Pyrotechnics and riot control agents were used during the maneuver training. The land for the training area is owned by the BLM and was used by the IDARNG under a special land use permit. Prior and subsequent to use by the IDARNG the land was open space and was used for agricultural purposes, consisting of animal grazing. Remediation for the training area has not been executed or planned. The area for Training Area 2 is 9,478 acres.

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 5-NEGLIGIBLE

CONTAMINANTS OF CONCERN:

MEC, MC

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	<u>End</u>
PA	200206	200305
RI/FS	201010	201109
RD	201510	201609
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201709

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil. A MEC site characterization and removal assessment will be performed followed by a MEC removal action, institutional controls and monitoring.

KTS-003-R-01 TRAINING AREA 3

SITE DESCRIPTION

Training Area 3 is located in Lincoln County. The training area is located approximately 20 miles northeast of Twin Falls, Idaho, and was used by the IDARNG primarily for armored maneuver training from 1968 through 1991. Pyrotechnics and riot control agents were used during the maneuver training. The land for the training area is owned by the BLM and was used by the IDARNG under a special land use permit. Prior and subsequent to use by the IDARNG the land was open space and was used for agricultural purposes, consisting of animal grazing. Remediation for the training area has not been executed or planned. The area for Training Area 3 is 7.897 acres.

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 5-NEGLIGIBLE

CONTAMINANTS OF CONCERN:

MEC, MC

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
PA	200206	200305
RI/FS	201010	201109
RD	201510	201609
RA(C)	201610	201709
I TM	201710	204709

RC DATE: 201709

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil. A MEC site characterization and removal assessment will be performed followed by a MEC removal action, institutional controls and monitoring.

KTS-004-R-01 SMALL ARMS RANGE 1

SITE DESCRIPTION

A small arms firing range located in the northwest portion of Training Area 3. The range was used to conduct small arms training and marksmanship from 1968 through 1991. The land for the firing range is owned by the BLM and was used by the IDARNG under a special land use permit. Prior and subsequent to use by the IDARNG the land was open space and was used for agricultural purposes, consisting of animal grazing. Remediation for the firing range has not been executed or planned. The area for the Small Arms Range 1 is 0.8 acres.

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 5-NEGLIGIBLE

CONTAMINANTS OF CONCERN:

MC

MEDIA OF CONCERN: Soil

Phases	Start	End
PA	200206	200305
SI	200610	200709
RI/FS	201010	201109
RD	201510	201609
RA(C)	201610	201709

RC DATE: 201709

results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil.

KTS-005-R-01 **SMALL ARMS RANGE 2**

SITE DESCRIPTION

A small arms range located in the northwest portion of Training Area 3. The range was used to conduct small arms training and marksmanship from 1968 through 1991. The land for the firing range is owned by the BLM and was used by the IDARNG under a special land use permit. Prior and subsequent to use by the IDARNG the land was open space and was used for agricultural purposes, consisting of animal grazing. Remediation for the firing range has not been executed or planned. The area for the Small Arms Range 2 is 0.6 acres.

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the

excavation and disposal of contaminated soil.

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 5-NEGLIGIBLE

CONTAMINANTS OF CONCERN:

MEC

MEDIA OF CONCERN: Soil

Phases	Start	End
PA	200206	200305
SI	200610	200709
RI/FS	201010	201109
RD	201510	201609
RA(C)	201610	201709

RC DATE: 201709

OTA-001-R-01 MPRC MAINTENANCE AREA

SITE DESCRIPTION

The MPRC Maintenance Facility is a 3.9-acre area located within the Christmas Mountain Maneuver Area, in the northwest portion of Orchard Training Area. The MPRC is a fenced support facility consisting of several storage igloos constructed in 1990. The MPRC Maintenance Facility was originally intended for munitions Storage; however, it was used for this purpose for only a brief period in 1990 and 1991 until the Ammo Supply Point was opened in 1992. The MPRC Maintenance Facility has since been used for equipment maintenance and storage activities. This former range is considered closed because the area is fenced and will not be used for maneuver training in the future.

Munitions used at this site could include large caliber tank rounds, shoulder mounted rocket launchers, live and practice hand grenades, wire guided rockets fired from helicopters, tungsten-

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 2-SERIOUS

CONTAMINANTS OF CONCERN:

MEC, MC

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	<u>End</u>
PA	200206	200305
SI	200506	200703
RI/FS	200810	200909
RD	201510	201609
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201710

carbide armor piercing rounds, mortars, weapons with shaped charges and HE, TNT blocks, WP tank rounds, flares, smoke pots, tear gas, and small arms. This is because of the wide variety of uses the installation's training areas have encountered during their 50-year history.

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil. A MEC site characterization and removal assessment will be performed followed by a MEC removal action, institutional controls and monitoring.

This site was found to be located on an operational range and thus, is not eligible for the MMRP. It will be made Response Complete in AEDB-R in Nov 06 when the database is reopened.

OTA-002-R-01 OLD NORTHERN BOUNDARY AREA

SITE DESCRIPTION

The Old Northern Boundary Area is a 20,228-acre area north of the existing northern boundary of Orchard Training Area. Portions of the land are currently privately owned and are used for ranching. The remainder of the land is state owned, or federally owned public lands managed by the BLM. The area is bound by railroad tracks on the north and east, and the existing Orchard Training Area on the south. On the west, the area is defined by a co-linear extension of the western boundary of the Orchard Training Area. The area was used for maneuver and gunnery training from 1953 until 1985. In 1985, an electrical transmission line was constructed along the current northern boundary of the Orchard Training Area. Prior to 1985, the only physical landmark used to determine the extent of the Orchard Training Area was the set of railroad tracks. This area is considered a transferred range because it was formerly used for maneuver and gunnery

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 1-HIGH

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
PA	200206	200305
SI	200506	200703
RI/FS	200810	200909
RD	201510	201609
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201709

training by the U.S. Army, and is no longer used by the U.S. Army for such training.

Munitions used at this site could include large caliber tank rounds, shoulder mounted rocket launchers, live and practice hand grenades, wire guided rockets fired from helicopters, tungsten-carbide armor piercing rounds, mortars, weapons with shaped charges and HE, TNT blocks, WP tank rounds, flares, smoke pots, tear gas, and small arms. This is because of the wide variety of uses the installation's training areas have encountered during their 50-year history.

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil. A MEC site characterization and removal assessment will be performed followed by a MEC removal action, institutional controls and monitoring.

OTA-003-R-01 OLD SOUTHWESTERN BOUNDARY AREA

SITE DESCRIPTION

The Old Southwestern Boundary Area is a 25,669.46-acre area outside the existing southwestern boundary of Orchard Training Area. The area consists of open land area; however, it also includes a short segment of the Snake River and the Snake River Canyon. There currently are no access restrictions to this area. The canyon and river were once used for engineer training by the IDARNG. The remainder of the area was used for maneuver training, and gunnery training. The entire area was used during the 1960s until it was withdrawn from use in approximately 1981 after its designation as the Snake River Birds of Prey Area a couple of years earlier.

Eventually portions of this area became permanently protected in the U.S. Congress' enaction of Public Law 103-64 in August of 1993. The area protected by Public Law 103-64 then became known as the Snake River Birds of Prey

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 1-HIGH

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
PA	200206	200305
SI	200506	200703
RI/FS	200810	200909
RD	201510	201609
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201709

National Conservation Area, which remains its name today. The Snake River Birds of Prey National Conservation Area is partially owned by the state of Idaho, but the largest portion is managed by the BLM. The Old Southwestern Boundary Area is considered a transferred range because it was formerly used for engineer, maneuver and gunnery training by the U.S. Army, is no longer used by the U.S. Army for such training, and is no longer part of the land use agreement between the U.S. Army and the BLM.

Munitions used at this site could include large caliber tank rounds, shoulder mounted rocket launchers, live and practice hand grenades, wire guided rockets fired from helicopters, tungsten-carbide armor piercing rounds, mortars, weapons with shaped charges and HE, TNT blocks, WP tank rounds, flares, smoke pots, tear gas, and small arms. This is because of the wide variety of uses the installation's training areas have encountered during their 50-year history.

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil. A MEC site characterization and removal assessment will be performed followed by a MEC removal action, institutional controls and monitoring.

OTA-004-R-01 SNAKE RIVER TRAINING FACILITY

SITE DESCRIPTION

The Snake River Training Facility is a 3.457-acre area located within Maneuver Area B6 in the northeast portion of Orchard Training Area. The Snake River Training Facility consists of several buildings used as office space, classrooms, and latrines. This former range is considered closed because the area is fenced and will not be used for maneuver training in the future.

Munitions used at this site could include large caliber tank rounds, shoulder mounted rocket launchers, live and practice hand grenades, wire guided rockets fired from helicopters, tungstencarbide armor piercing rounds, mortars, weapons with shaped charges and HE, TNT blocks, WP tank rounds, flares, smoke pots, tear gas, and small arms. This is because of the wide variety of uses the installation's training areas have encountered during their 50-year history.

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 2-SERIOUS

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN: Soil

Phases	Start	End
PA	200206	200305
SI	200506	200703
RI/FS	200810	200909
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201709

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil. A MEC site characterization and removal assessment will be performed followed by a MEC removal action, institutional controls and monitoring.

This site was found to be located on an operational range and thus, is not eligible for the MMRP. It will be made Response Complete in AEDB-R in Nov 06 when the database is reopened.

OTA-005-R-01 WEATHER STATION

SITE DESCRIPTION

The Weather Station is a 2.1-acre area located within Maneuver Area C4 in the southern portion of Orchard Training Area. There is a weather station (monitoring equipment) on site, but there are no inhabited buildings on site. This area was used as a range from 1953 to 1991. In 1991 the site was fenced off and a weather station was installed. This former range is considered closed because the area is fenced and will not be used for maneuver training in the future.

Munitions used at this site could include large caliber tank rounds, shoulder mounted rocket launchers, live and practice hand grenades, wire guided rockets fired from helicopters, tungstencarbide armor piercing rounds, mortars, weapons with shaped charges and HE, TNT blocks, WP tank rounds, flares, smoke pots, tear gas, and small arms. This is because of the wide variety of uses the installation's training areas have encountered during their 50-year history.

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 3-MODERATE

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN: Soil

<u>Phases</u>	Start	End
PA	200206	200305
<mark>SI</mark>	200506	200703
RI/FS	200810	200909
RD	201510	201609
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201709

CLEANUP STRATEGY

An installation wide Archive Search Report and a SI is scheduled to be performed. Based on the results of the SI, a RI/FS will follow to include the installation of groundwater monitoring wells. The remedial actions will include the excavation and disposal of contaminated soil. A MEC site characterization and removal assessment will be performed followed by a MEC removal action, institutional controls and monitoring.

This site was found to be located on an operational range and thus, is not eligible for the MMRP. It will be made Response Complete in AEDB-R in Nov 06 when the database is reopened.

MMRP Schedule

Initiation of MMRP: 2002

Past Phase Completion Milestones

2003

• PA at all sites May

Projected Record of Decision/Decision Document Approval Dates: Unknown

Projected Construction Completion: 2017

Schedule for Five Year Reviews: Unknown

Estimated Completion Date of MMRP including LTM: 2047

IDAHO ARMY NATIONAL GUARD MMRP SCHEDULE

(Based on current funding)

RA (C) LTM KTS-002-R-01 RI/FS RD RA (C) LTM KTS-003-R-01 RI/FS RD RA (C) LTM KTS-003-R-01 RI/FS RD RA (C) LTM KTS-004-R-02 RI/FS RD RD RA (C) RA (C) RA (C) LTM CTA-001-R-02 RI/FS RD RD RA (C)	AEDB-R#	PHASE	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
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											201609
											201709
											204709

MMRP Costs

Prior Years Funds

Total Funding up to FY04: \$0K

Year Site Information Expenditures FY Total

FY05 Orchard Range \$125K

Total Prior Year Funds: \$125K

Current Year Requirements

Year Site Information Expenditures FY Total

FY06 Orchard Range \$9K

Total Future Requirements: \$231,755K

Total MMR Program Cost (from inception to completion of the MMRP): \$231,889K

Community Involvement

Community involvement will not be required until after the completion of the SI phase. Following the SI phase community involvement will be solicited in accordance with CERCLA.